

Notes

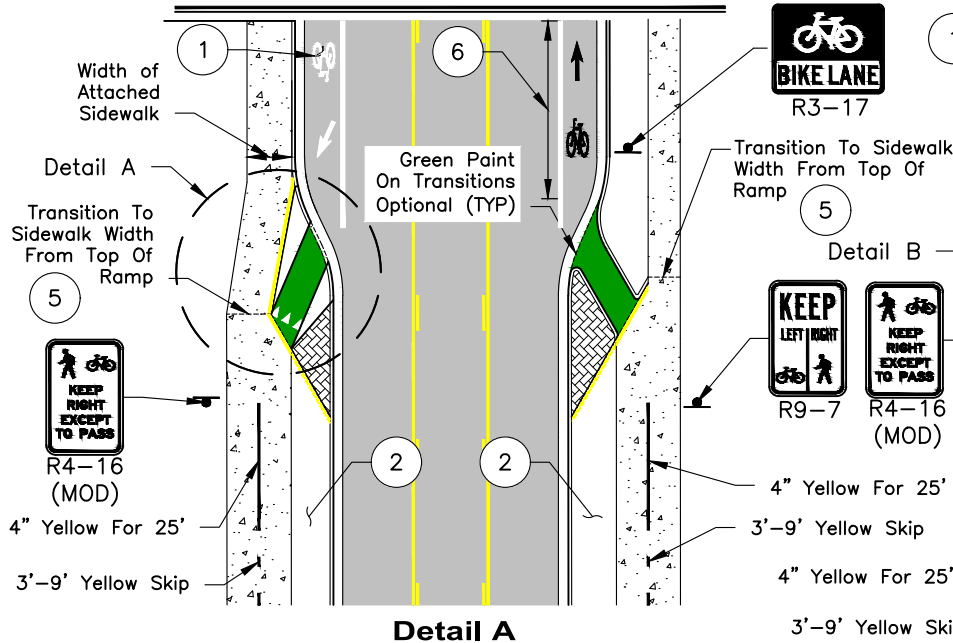
- 1 Material Sections Will Be Determined By ACHD During Design. Refer To ACHD Policy Manual For Additional Information.
- 2 Standard 6" Vertical Curb And Gutter Per ACHD Standard Drawing SD-701, Shown. Specific Curb Types To Be Determined By ACHD During Design. (Reference 1)
- 3 Level of Traffic Stress (LTS) Buffer Is Measured From Edge Of Traveled Way To Centerline Of Multi-Use Pathway (MUP). Refer To Table 1, For Buffer Widths Based On Level Of Traffic Stress (LTS). LTS 1 Desired, LTS 2 Minimum. Minimum 3' Buffer Between Curb And Front Of Multi-Use Pathway. Buffer Materials/Treatments To Be Determined On A Case-By-Case Basis During Project Design. If Buffer Is Traversable, Buffer Shall Comply With All ADA Requirements.
- 4 MUP Material Section Will Be Determined By ACHD During Design.
- 5 Roadside Buffer Is Measured From The Top Back Of Curb To The Front Of The MUP. Minimum Width Of 3' For Roadways With 3 Or Fewer Travel Lanes, Minimum Width Of 4' For Roadways With 4 Or More Travel Lanes. Buffer May Be Traversable.
- 6 Provide 2' Minimum Lateral Clearance From Vertical Obstructions (Utility Boxes, Power Poles, Etc.) On Either Side Of The Pathway. Utilities May Be Located Within The Roadside Buffer Provided The Minimum Lateral Clearance Is Met, And The Roadside Minimum Lateral Clearance Is Met Per ACHD Policy Manual. Refer To ACHD Policy Manual For Additional Utility Location Requirements.

Table 1: Level Of Traffic Stress (LTS) Buffer Widths

Total Travel Lanes	Total Buffer Width Measured From Edge Of Traveled Way To Centerline Of MUP		
	5'-10'	11'-14'	15'+
1-2	LTS 2	LTS 1	LTS 1
3	LTS 2	LTS 1	LTS 1
4-5	LTS 3	LTS 2	LTS 1
6+	LTS 4	LTS 3	LTS 2

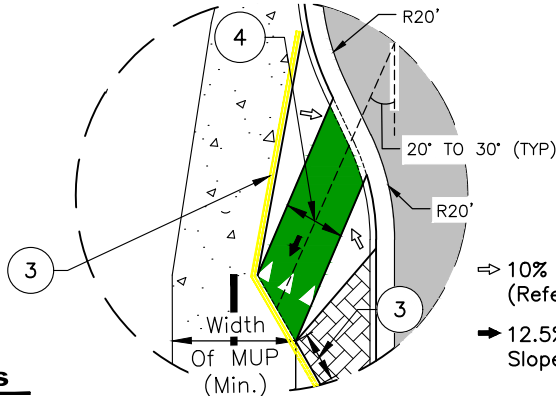


Multi-Use Path Transition To On-Street Bike Lane

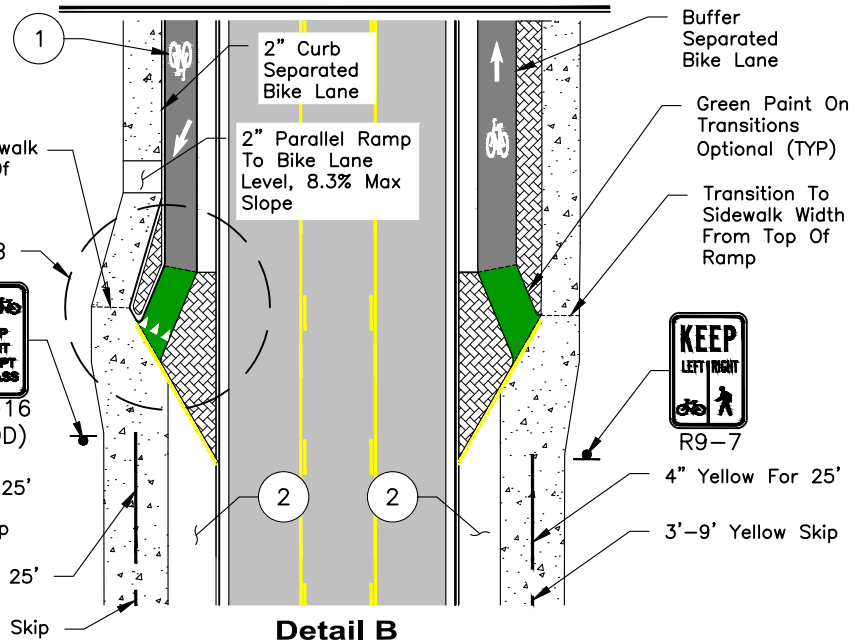


Detail A

On-Street Approach/Departure Ramps

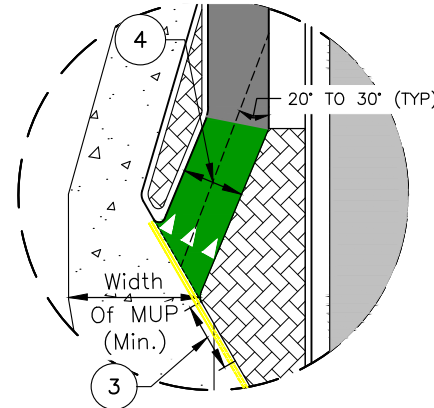


Multi-Use Path Transition To Raised Bike Lane



Detail B

Raised Approach/Departure Ramps



Notes

- 1 Bike Lane Marking Per ACHD Standard Drawing TS-1113.04. Marking Shall Be Placed Immediately Before And After A Bike Transition Ramp (Reference 10).
- 2 Buffer Material May Be Traversable Until Bike Ramp Deflection. Buffer Treatments/Materials To Be Determined On A Case-By-Case Basis During Project Design.
- 3 Introduce Geometric Deflection Via Detectable Edge/Buffer For Positive Guidance Along Pedestrian Desirable Path. 2' Minimum Deflection Length On Roadway Side Of Bike Ramp. Detectable Edge/Buffer Treatments Including TWSIs, Curbs, Aggregates, Or Other Detectable Treatments For Deflection To Be Determined On A Case-By-Case Basis During Project Design.
- 4 Match Receiving Bike Facility Width, 5' Minimum.
- 5 Width To Match Sidewalk Width At Top Of Bike Curb Ramp.
- 6 30' Minimum Before Any Bike Lane Crossing Conflicts (I.E. On-Street Parking, Turn Lanes, Etc.)

EXHIBIT NO.

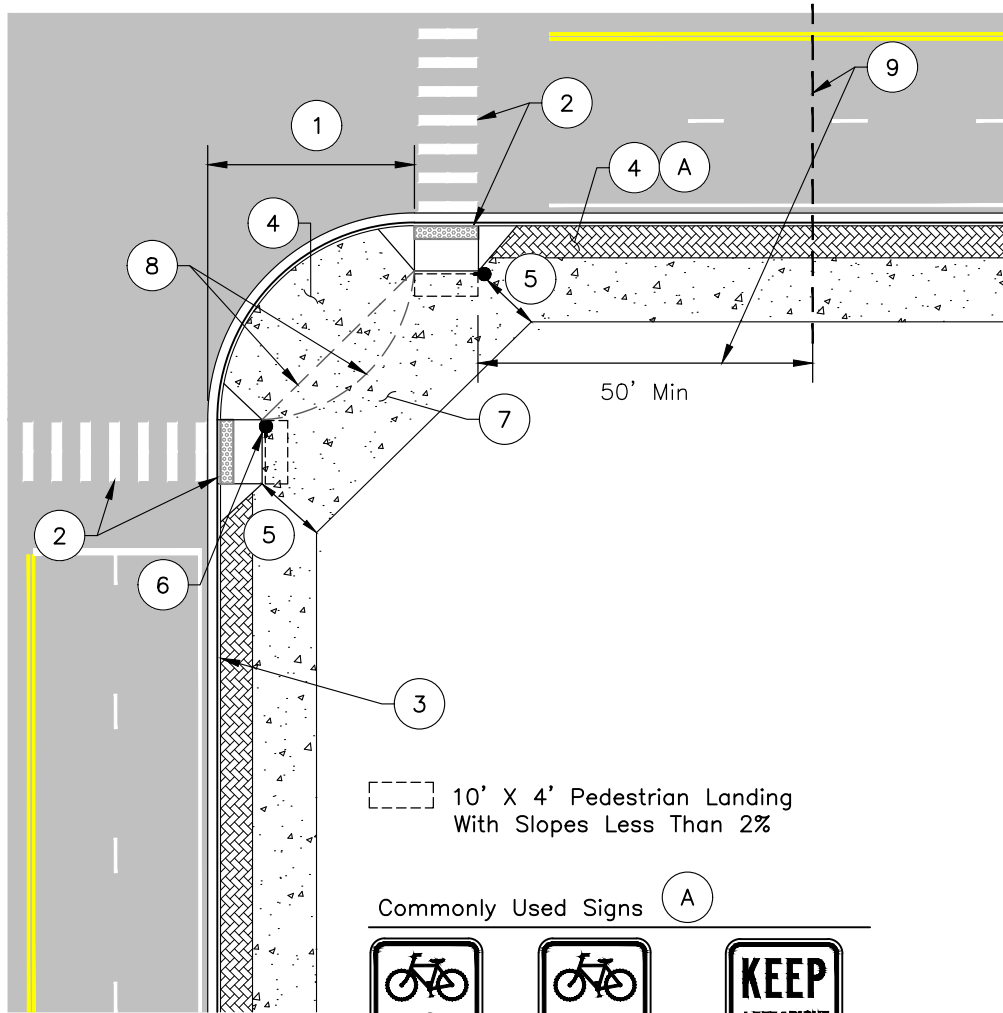
MUP-02

Multi-Use Path Example Applications

Transition To Bike Lane



Elements Of A Multi-Use Path Intersection (Signalized) B



10' X 4' Pedestrian Landing
With Slopes Less Than 2%

Commonly Used Signs A



R9-5



R9-6



R9-7



R10-4B(L)
MOD



R10-15(R)
MOD

Notes

1	Speed Limit (MPH)	Crossing Setback Lip Of Gutter To Front Of Crosswalk (FT)
	20-35	6
	40	10
	45	16
	50	20
	55	24

6' Minimum Setback When Adjacent To Right Turn Lane (Ref 3,4,5)

- 2 Width Of Crosswalk And Curb Ramp Opening Shall Be Equal To Or Greater Than The Width Of The Multi-Use Path.
- 3 6" Vertical Curb & Gutter Per ACHD Standard Drawing SD-701, Shown (Reference 1). Curb Type To Be Determined During Design.
- 4 Area May Be Utilized For Signal Equipment And Other Traffic Control Devices.
- 5 Minimum Clear Width Between Signal Poles, Push Buttons, Top Of Ped Ramp Or Other Vertical Obstructions Shall Be Equal To Or Greater Than The Width Of The MUP.
- 6 Pedestrian Push Button Pole Equipped With APS Per ACHD Standard Drawing TS-1106.02 (Reference 10). Push Button Locations Shown For Reference Only And Shall Be Determined During Design.
- 7 Area Equal To Or Greater Than The Width Of The Of The MUP To Remain Clear And Free From Obstructions For Multi-Use Mixing Zone And Queue Storage.
- 8 Curb (Or Other ADA Detectable Surface Feature) May Be Utilized In This Area For Channelization. If Utilized, Minimum Clear Width Between Curb And Back Of Pathway Shall Be Equal To Or Greater Than The Width Of The Multi-Use Pathway.
- 9 See Sheet MUP - 02 For Multi-Use Pathway To Bike Lane Transitions.
- A Signage Is Considered Context Sensitive To Each Project And Specific Signal Equipment Layout. MUTCD Signs and Modified (MOD) Signs To Be Considered Include R9-5, R9-6, R9-7, R10-4b(L/R) MOD, R10-15 (L/R) MOD. Signage Shown For Reference Only And Shall Be Determined During Design.
- B Signalized Intersection Shown. Same Principals Apply To All-Way-Stop-Controlled Intersections.

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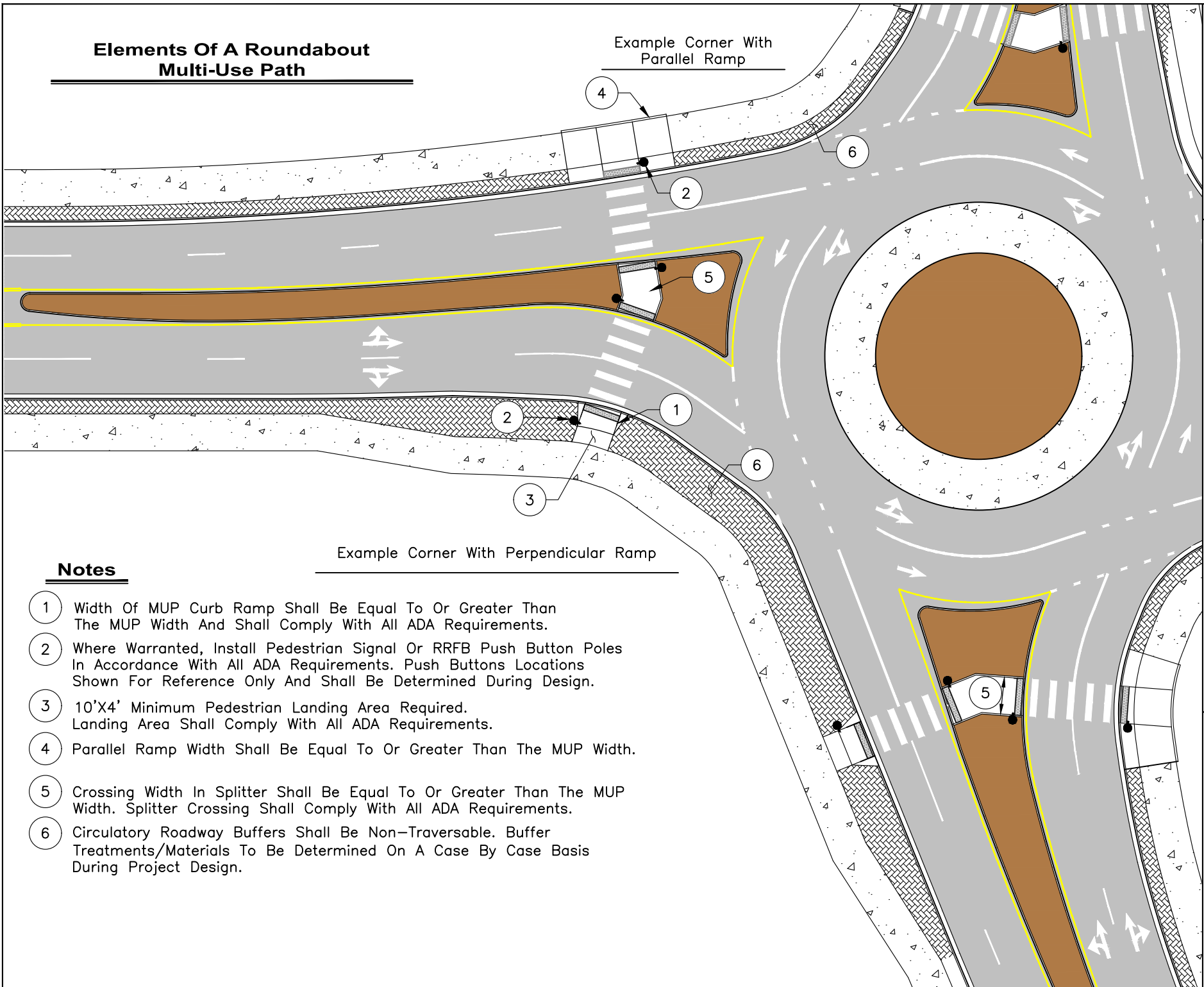
MUP-03

Multi-Use Path Example Applications

Signalized Intersection



Elements Of A Roundabout Multi-Use Path



Notes

- 1 Width Of MUP Curb Ramp Shall Be Equal To Or Greater Than The MUP Width And Shall Comply With All ADA Requirements.
- 2 Where Warranted, Install Pedestrian Signal Or RRFB Push Button Poles In Accordance With All ADA Requirements. Push Buttons Locations Shown For Reference Only And Shall Be Determined During Design.
- 3 10'X4' Minimum Pedestrian Landing Area Required. Landing Area Shall Comply With All ADA Requirements.
- 4 Parallel Ramp Width Shall Be Equal To Or Greater Than The MUP Width.
- 5 Crossing Width In Splitter Shall Be Equal To Or Greater Than The MUP Width. Splitter Crossing Shall Comply With All ADA Requirements.
- 6 Circulatory Roadway Buffers Shall Be Non-Traversable. Buffer Treatments/Materials To Be Determined On A Case By Case Basis During Project Design.

EXHIBIT NO.

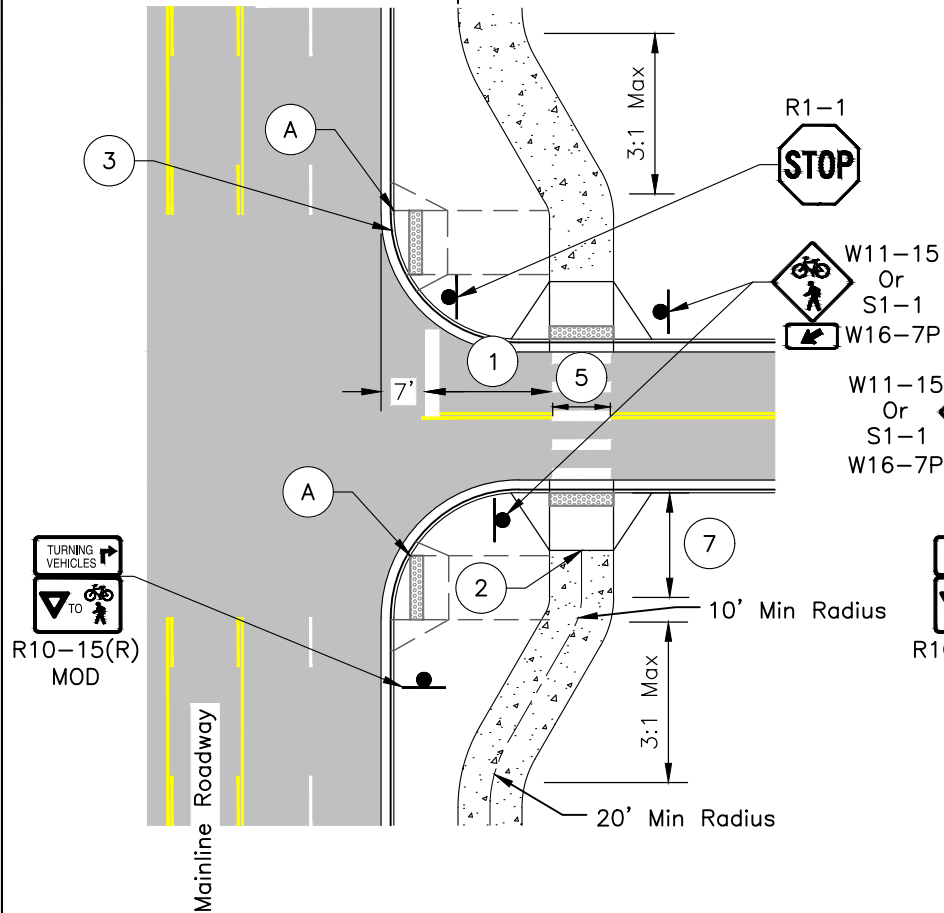
MUP-04

Multi-Use Path Example Applications
Roundabout



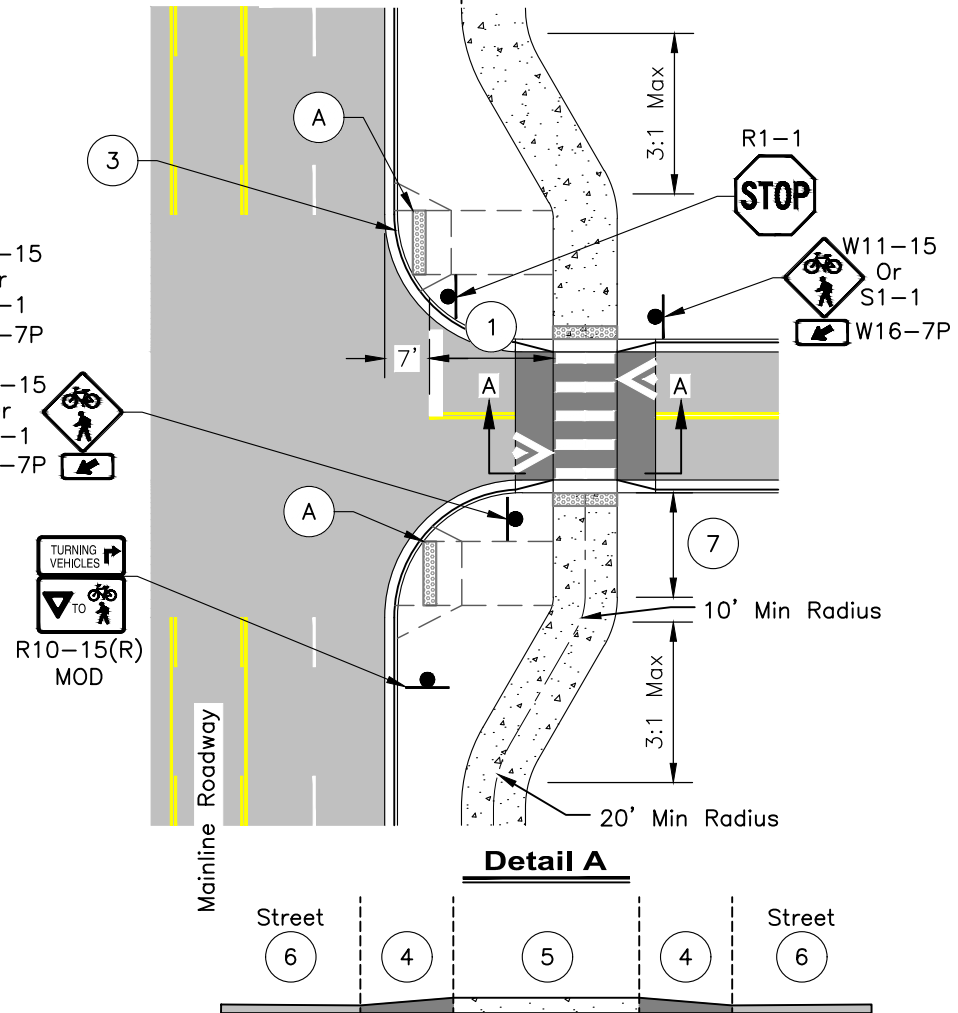
Unsignalized At-Grade Side Street Crossing

For Mainline Speeds Of 40 MPH Or Greater



Unsignalized Raised Side Street Crossing

For Mainline Speeds Of 40 MPH Or Greater



Detail A

Notes

- 1 16' Min Setback From Front Of Stop Bar Pavement Marking To Front Of Crosswalk Pavement Marking For At Grade Crossings. 19' Minimum Set Back For Raised Crossings.
- 2 Width Of MUP Curb Ramp Shall Be Equal To Or Greater Than The MUP Width And Shall Comply With All ADA Requirements.
- 3 When Crossing Of Mainline Is Required, Both Mainline Curb Ramp Widths Shall Be Equal To Or Greater Than The MUP Width, And Comply With All ADA Requirements.
- 4 Roadway Approach Ramp And Departure Ramp Shall Not Exceed 8.3% Slope. Speed Hump Markings Shall Be Used On Transition Ramps.

- 5 3" Maximum Crossing Height. Crossing Width Shall Be Equal To Or Greater Than The MUP Width And Shall Comply With All ADA Requirements.
- 6 Raised Crossings Considered On A Case By Case Basis.
- 7 8' Minimum If Crossing Of Mainline Is Not Required.
- A Crossing(s) Of The Mainline To Be Provided If Side Street Is A Public Roadway. May Not Be Required For Commercial Driveways. Crossing Locations To Be Determined During Project Design.

EXHIBIT NO.

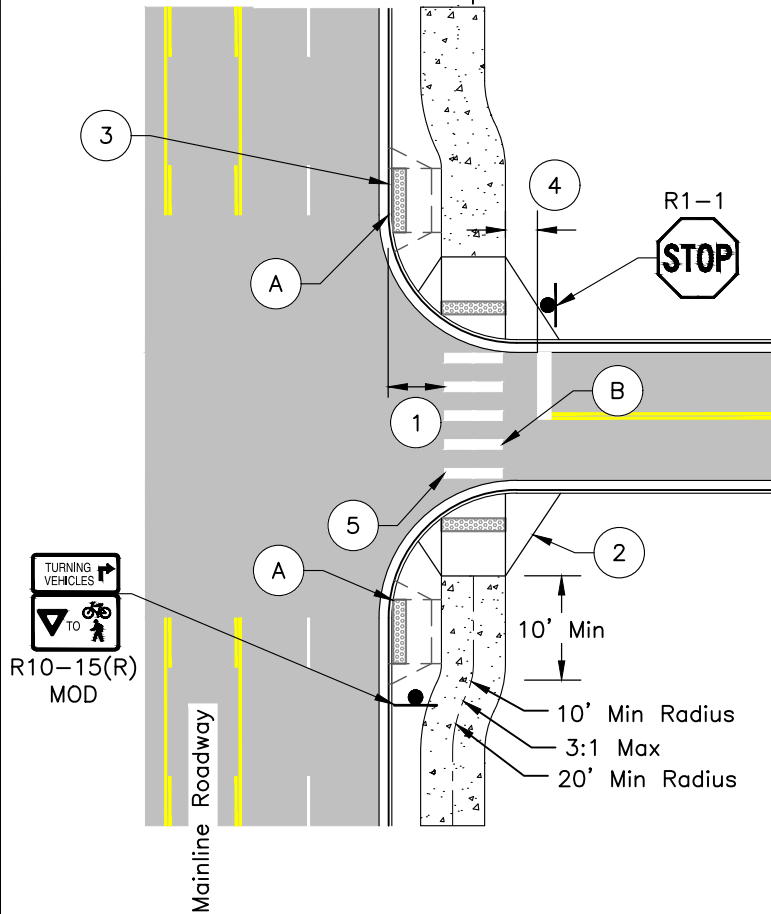
MUP-05

Multi-Use Path Example Applications
Unsignalized Side Street Crossings



Unsignalized At-grade Side Street Crossing

For Mainline Speeds Of 35 MPH Or Less



Notes

- 1 6' Minimum Setback From Lip of Gutter To Front Of Crosswalk. Minimum Setback To Bike Crossing To Improve Visibility For Vehicles, Pedestrians, And Bicycles. (Reference 3, 4)
- 2 Width Of MUP Curb Ramp Shall Be Equal To Or Greater Than The MUP Width And Shall Comply With All ADA Requirements.
- 3 When Crossing Of Mainline Is Required, Both Mainline Curb Ramp Widths Shall Be Equal To Or Greater Than The MUP Width, And Comply With All ADA Requirements.
- 4 4' Minimum Setback From Crosswalk Per ACHD Standard Drawing TS-1112.03 (Reference 10).
- 5 Width Of Crossing Shall Be Equal To Or Greater Than The MUP Width And Shall Comply With All ADA Requirements.
- A Crossing(s) Of The Mainline To Be Provided If Side Street Is A Public Roadway. May Not Be Required For Private Roadways Or Driveways. Crossing Locations To Be Determined During Project Design.
- B At Grade Crossing Shown, Raised Crossings To Be Considered On A Case-By-Case Basis. Raised Crossing Shall Be Per Detail A On MUP-05.

EXHIBIT NO.
MUP-06

Multi-Use Path Example Applications
Unsignalized Side Street Crossings



References For Multi-Use Pathways

1. Ada County Highway District. "2017 ACHD Supplement To The 2017 ISPWC." December 2017, https://www.achdidaho.org/documents/engineering/ispwc/2017_ispwcsupplements.pdf.
2. City Of West Linn Public Works Department. Separated Bike Path At Intersection Standard Drawings. Revised February 2019, <https://westlinnoregon.gov/publicworks/standard-drawings>.
3. Massachusetts Department Of Transportation. "Separated Bike Lane Planning & Design Guide." 2015, <https://www.mass.gov/lists/separated-bike-lane-planning-design-guide>.
4. National Association Of City Transportation Officials. "urban Bikeway Design Guide Annotated Plans." April 2011.
5. U.S. Department Of Transportation Federal Highway Administration. "Separated Bike Lane Planning And Design Guide." May 2015.
6. NCHRP Report 834 Crossing Solutions At Roundabouts And Channelized Turn Lanes For Pedestrians With Vision Disabilities, January 2017.
7. NCHRP Report 672, Roundabouts, A Guide Book, 1st And 2nd Editions, 2010.
8. United States Access Board. "R304.5.1.2 Shared Use Paths". 2013 <https://www.access-board.gov/files/prowag/prow-sup-snrpm-2013.pdf>
9. NCHRP Guide For Low Speed Multimodal Roadways, 2018.
10. ACHD Traffic Standards/Specifications. <http://www.achdidaho.org/Departments/Engineering/Traffic/trafficStandards.aspx>

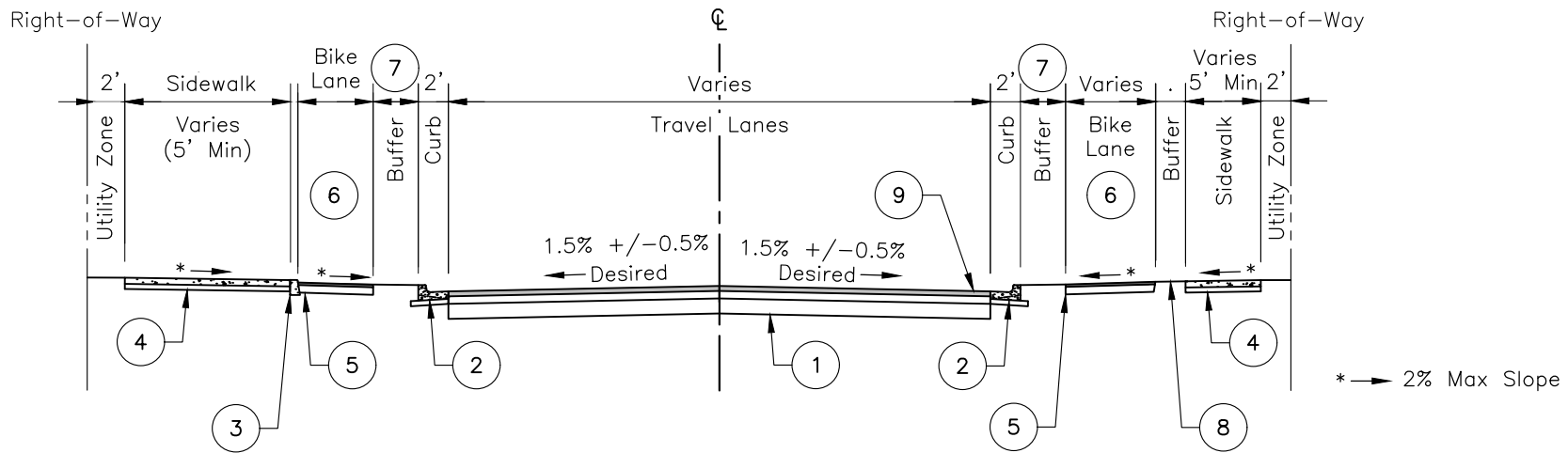
EXHIBIT NO.
MUP-07

Multi-Use Path Example Applications
References



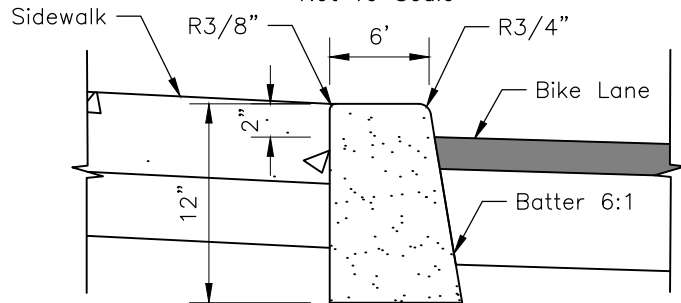
Curb Separated Raised Bike Lane

Buffer Separated Raised Bike Lane



Detail A

Not To Scale



Notes

- 1 Material Sections Will Be Determined By ACHD At The Time Of Application. Refer To ACHD Policy Manual For Additional Information.
- 2 Standard 6" Vertical Curb And Gutter Per ACHD Standard Drawing SD-701, Shown. Specific Curb Types To Be Determined By ACHD During Design. (Reference 1)
- 3 Modified Vertical Curb With 2" Reveal. Refer To Detail A, This Sheet. 2" Curb Reveal Provides ADA Detectability.
- 4 Standard Concrete Sidewalk Per ACHD Standard Drawing SD-709 (Reference 1).
- 5 Hot Mix Asphalt Or Colored Concrete With Saw Cut Joints Are The Preferred Surface Materials For Bike Lanes. Material Section Will Be Determined By ACHD During Design.
- 6 6.5' Bike Lane Desired, 5' Minimum.
- 7 Roadside Buffer Varies. 3' Minimum Width To Accommodate Signage, On-Street Parking, And Other Roadside Features.
- 8 2' Minimum Width For Sidewalk Buffer. Clear Delineation Between The Sidewalk And Bike Lane, Via Pavement Markings, Surface Materials/Coloring, Etc., Shall Be Provided. Buffer Space May Be Traversable As Long As All ADA Requirements Are Met From Back Of Curb To Back Of Sidewalk, Including The Bike Lane.
- 9 Buffer Separated Bike Lanes Required When On-Street Parking Is Present. Roadside Buffer, Bike Lane, And Sidewalk Buffer Shall Be Traversable And Comply With All ADA Requirements.

EXHIBIT NO.

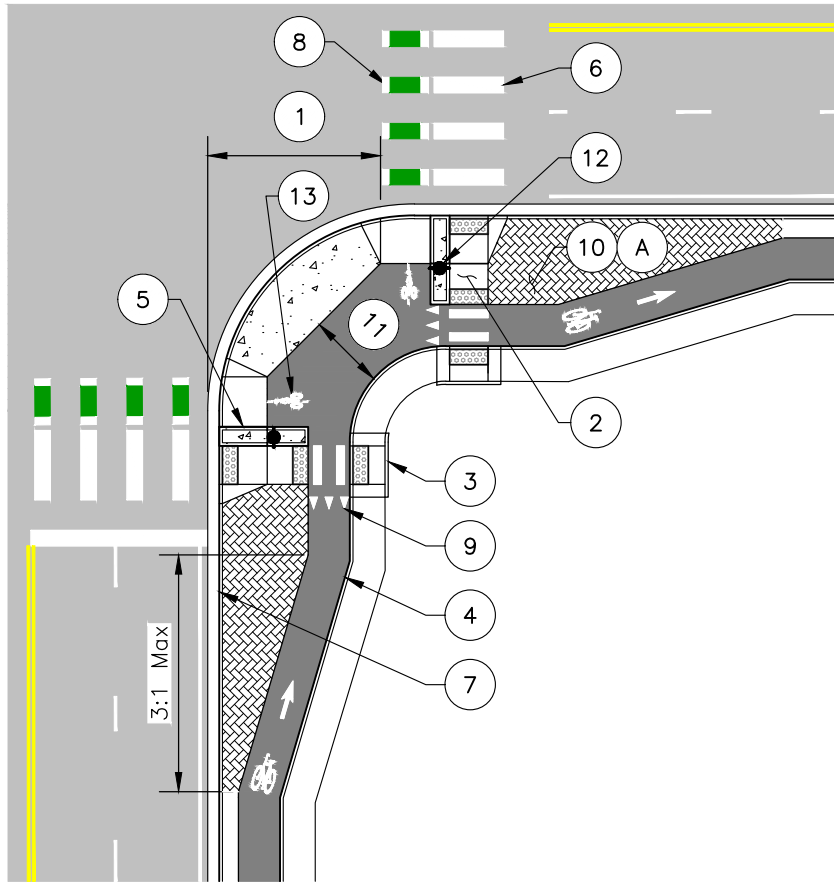
RBL-01

Raised Bike Lane Example Applications

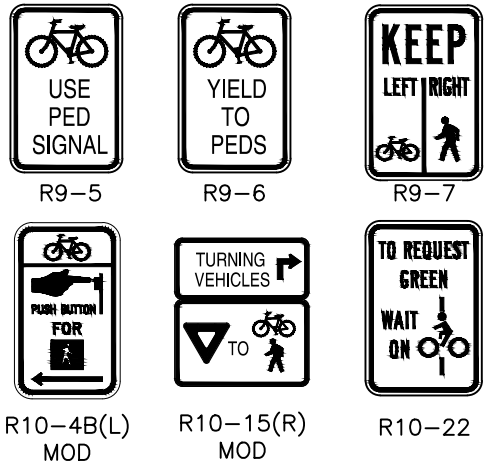
Typical Sections



Elements Of A Protected Intersection (Signalized) B Curb Separated Raised Bike Lane



Commonly Used Signs



Notes

- | 1 | Speed Limit (MPH) | Crossing Setback Lip Of Gutter To Front Of Bike Ladder Markings(FT) |
|---|-------------------|---|
| | 20-35 | 6 |
| | 40 | 10 |
| | 45 | 16 |
| | 50 | 20 |
- 6' Minimum Setback When Adjacent To Right Turn Lane (Ref 3,4,5)
 - 2 4' By 4' Minimum, Pedestrian Landing Area Required. Landing Shall Comply With All ADA Requirements.
 - 3 Pedestrian Ramp, Type G Per SD-712G, 2" Drop To Bike Lane Level (Reference 1).
 - 4 2" Vertical Curb. Refer To Detail A, RBL-01.
 - 5 Combination Perpendicular Curb Ramp With 3' Vertical Curb Separating Bikes And Pedestrians. Pedestrian Ramp Width Shall Be Equal To Or Greater Than The Sidewalk Width. Bike Ramp Shall Be Equal To Or Greater Than The Bike Lane Width.
 - 6 Crosswalk Markings Per ACHD Standard Drawing TS-1112.03 (Reference 11).
 - 7 6" Vertical Curb & Gutter Per ACHD Standard Drawing SD-701 (Reference 1).
 - 8 Bike Ladder Markings.
 - 9 Yield Markings Per ACHD Standard Drawing TS-1113.06 For Pedestrian Crossing of Bike Lane (Reference 10).
 - 10 Area May Be Utilized For Signal Equipment And Other Traffic Control Devices.
 - 11 10' Minimum To Provide Queue Storage And Bike Mixing Zone Maneuverability.
 - 12 Pedestrian Signal Pole Or Push Button Pole Equipped With A Separate Dedicated Push Button For Pedestrians And A Separate Dedicated Push Button And Signage For Bikes. See Note C.
 - 13 If Loop Detection Is Used, Place Loop Detection Under Bike Detector Pavement Markings (MUTCD 9C-7). Place R10-22 Signage On The Curb Separator, And Provide A Bicycle Signal Head On Destination Side (Bike Signal Phased Simultaneously With Pedestrian Crossing). See Note A.
 - A Bike Detection Devices May Include Push Buttons, Loop Detectors, Cameras, Or Radar. Detection Preference And Signal Equipment Layout To Be Determined By ACHD During Project Development.
 - B Signalized Intersection Shown. Same Principals Apply To All-Way-Stop-Controlled Intersections.
 - C Signage Is Considered Context Sensitive To Each Project And Specific Signal Equipment Layout. MUTCD Signs To Be Considered Include R9-5, R9-6, R9-7, R10-4b (L/R) MOD, R10-15 (L/R) MOD, R10-22.

EXHIBIT NO.

RBL-02

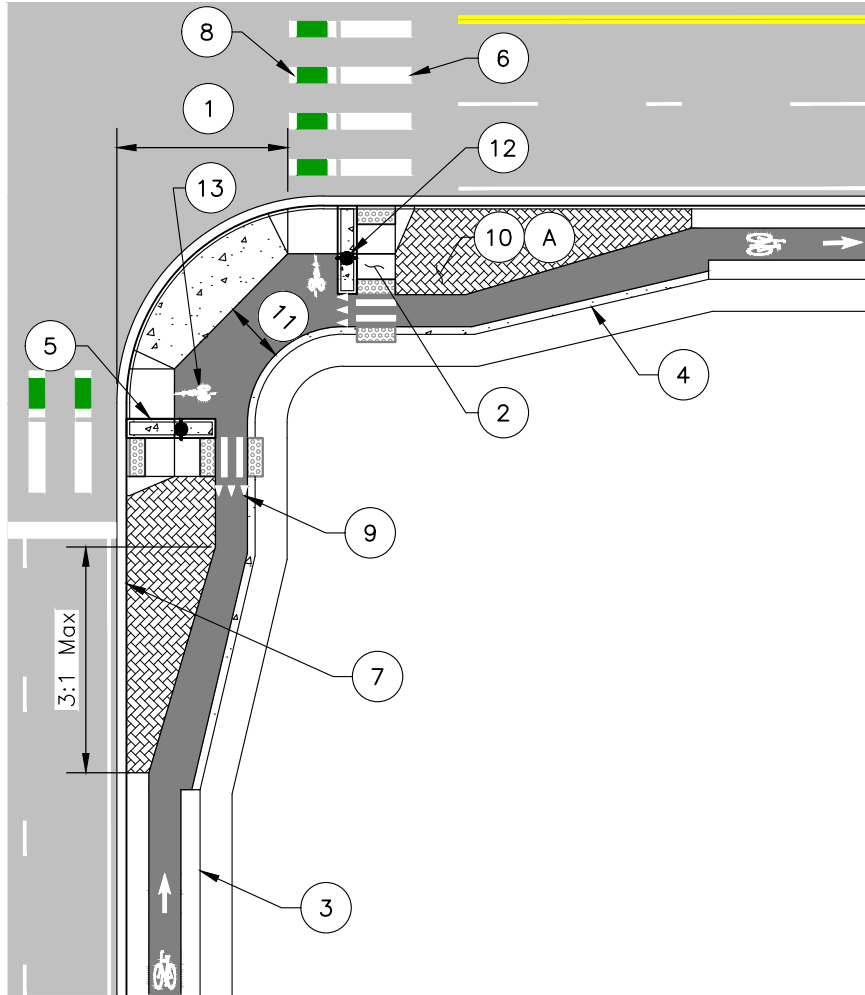
Raised Bike Lane Example Applications

Protected Intersection



Elements Of A Intersection (Signalized) Buffer Separated Raised Bike Lane

(B)



Notes

- | 1 | Speed Limit (MPH) | Crossing Setback Lip Of Gutter To Front Of Bike Ladder Markings(FT) |
|---|-------------------|---|
| | 20-35 | 6 |
| | 40 | 10 |
| | 45 | 16 |
| | 50 | 20 |
- 6' Minimum Setback When Adjacent To Right Turn Lane (Ref 3,4,5)
 - 2 4' By 4' Minimum, Pedestrian Landing Area Required. Landing Shall Comply With All ADA Requirements.
 - 3 Situation Shown For Non-Traversable Roadway And Sidewalk Buffers. If Buffers Are Traversable, The Entire Area Shall Be Considered Mixed Use And Comply With All ADA Requirements From Back Of Curb To Back Of Sidewalk. Refer To MUP-03 For Multi-Use Intersection Treatments.
 - 4 Buffer Material To Be Detectable. Treatments/Materials To Be Determined During Project Design.
 - 5 Combination Perpendicular Curb Ramp With 3' Vertical Curb Separating Bikes And Pedestrians. Pedestrian Ramp Width Shall Be Equal To Or Greater Than The Sidewalk Width. Bike Ramp Shall Be Equal To Or Greater Than The Bike Lane Width.
 - 6 Crosswalk Markings Per ACHD Standard Drawing TS-1112.03 (Reference 10).
 - 7 6" Vertical Curb & Gutter Per ACHD Standard Drawing SD-701 (Reference 1).
 - 8 Bike Ladder Markings.
 - 9 Yield Markings Per ACHD Standard Drawing TS-1113.06 For Pedestrian Crossing of Bike Lane (Reference 10).
 - 10 Area May Be Utilized For Signal Equipment And Other Traffic Control Devices.
 - 11 10' Minimum To Provide Queue Storage And Bike Mixing Zone Maneuverability.
 - 12 Pedestrian Signal Pole Or Push Button Pole Equipped With A Separate Dedicated Push Button For Pedestrians And A Separate Dedicated Push Button And Signage For Bikes. See Note C.
 - 13 If Loop Detection Is Used, Place Loop Detection Under Bike Detector Pavement Markings (MUTCD 9C-7). Place R10-22 Signage On The Curb Separator, And Provide A Bicycle Signal Head On Destination Side (Bike Signal Phased Simultaneously With Pedestrian Crossing). See Note A.
 - A Bike Detection Devices May Include Push Buttons, Loop Detectors, Cameras, Or Radar. Detection Preference And Signal Equipment Layout To Be Determined By ACHD During Project Development.
 - B Signalized Intersection Shown. Same Principals Apply To All-Way-Stop-Controlled Intersections.
 - C Signage Is Considered Context Sensitive To Each Project And Specific Signal Equipment Layout. MUTCD Signs To Be Considered Include R9-5, R9-6, R9-7, R10-4b(L/R) MOD, R10-15 (L/R) MOD, R10-22.

EXHIBIT NO.

RBL-03

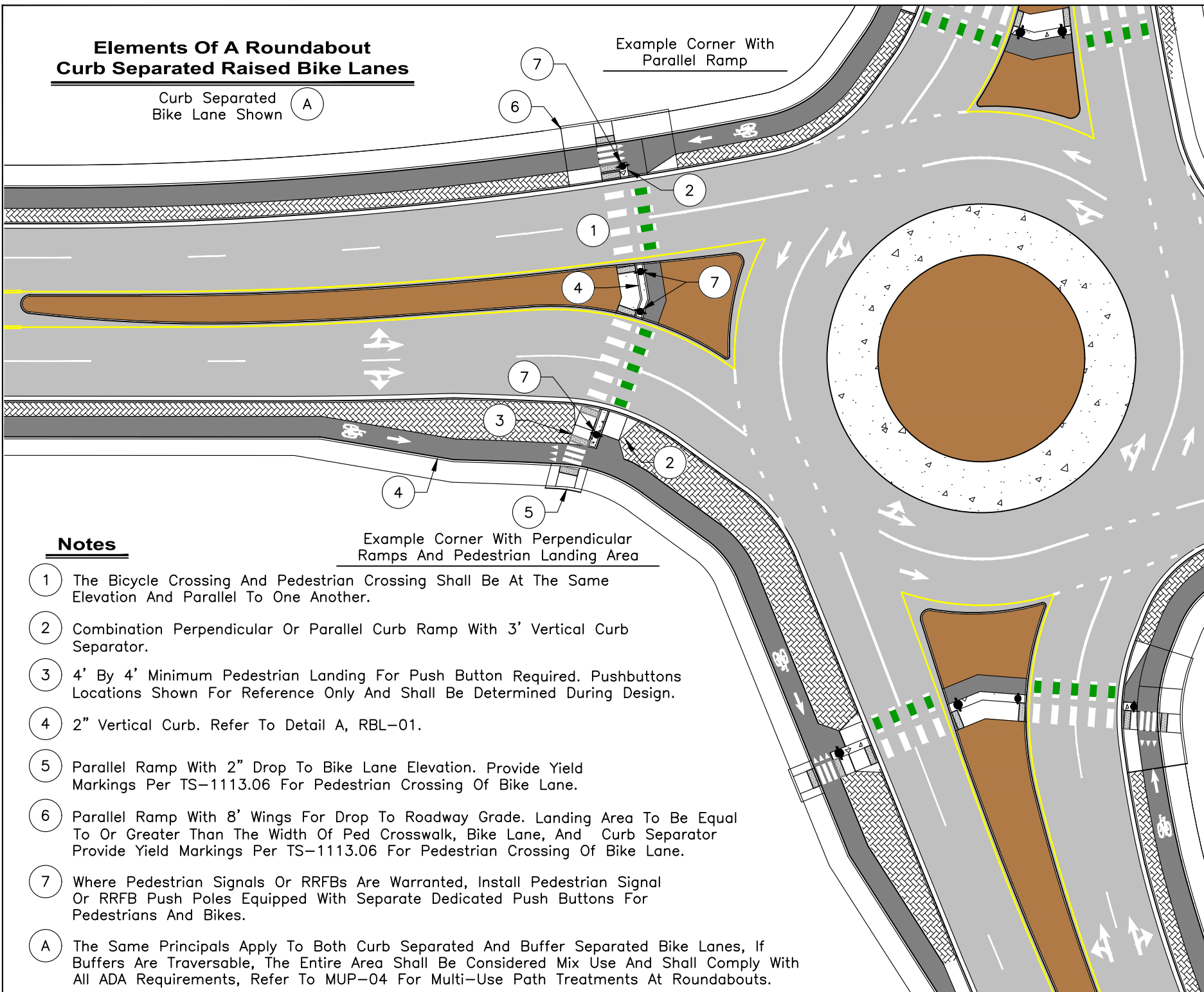
Raised Bike Lane Example Applications

Protected Intersection



Elements Of A Roundabout Curb Separated Raised Bike Lanes

Curb Separated
Bike Lane Shown (A)



Notes

- 1 The Bicycle Crossing And Pedestrian Crossing Shall Be At The Same Elevation And Parallel To One Another.
 - 2 Combination Perpendicular Or Parallel Curb Ramp With 3' Vertical Curb Separator.
 - 3 4' By 4' Minimum Pedestrian Landing For Push Button Required. Pushbuttons Locations Shown For Reference Only And Shall Be Determined During Design.
 - 4 2" Vertical Curb. Refer To Detail A, RBL-01.
 - 5 Parallel Ramp With 2" Drop To Bike Lane Elevation. Provide Yield Markings Per TS-1113.06 For Pedestrian Crossing Of Bike Lane.
 - 6 Parallel Ramp With 8' Wings For Drop To Roadway Grade. Landing Area To Be Equal To Or Greater Than The Width Of Ped Crosswalk, Bike Lane, And Curb Separator Provide Yield Markings Per TS-1113.06 For Pedestrian Crossing Of Bike Lane.
 - 7 Where Pedestrian Signals Or RRFBs Are Warranted, Install Pedestrian Signal Or RRFB Push Poles Equipped With Separate Dedicated Push Buttons For Pedestrians And Bikes.
- (A) The Same Principals Apply To Both Curb Separated And Buffer Separated Bike Lanes, If Buffers Are Traversable, The Entire Area Shall Be Considered Mix Use And Shall Comply With All ADA Requirements, Refer To MUP-04 For Multi-Use Path Treatments At Roundabouts.

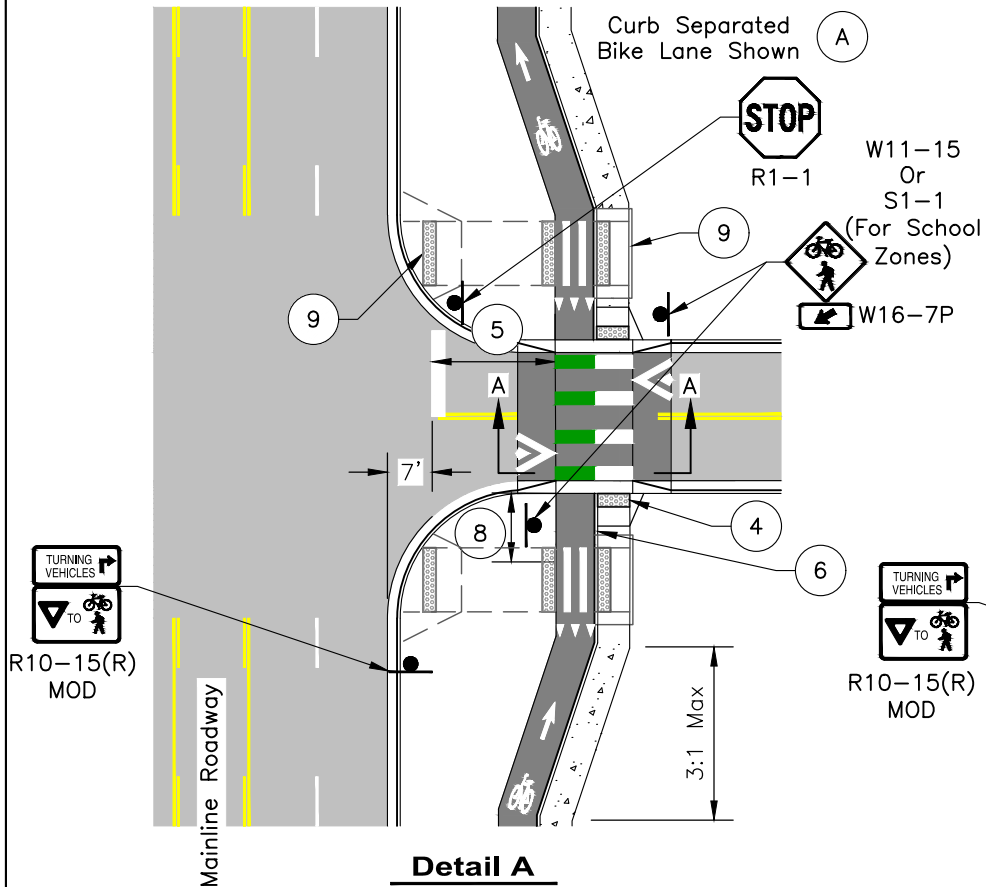
EXHIBIT NO.
RBL-04

Raised Bike Lane Example Applications
Roundabout

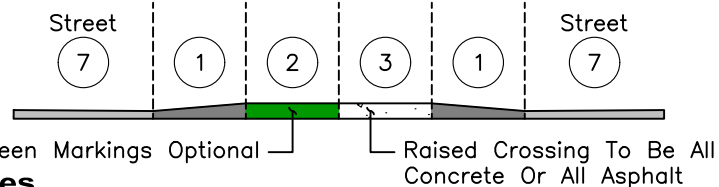


Unsignalized Raised Side Street Crossing

For Mainline Speeds Of 40 MPH Or Greater



Detail A

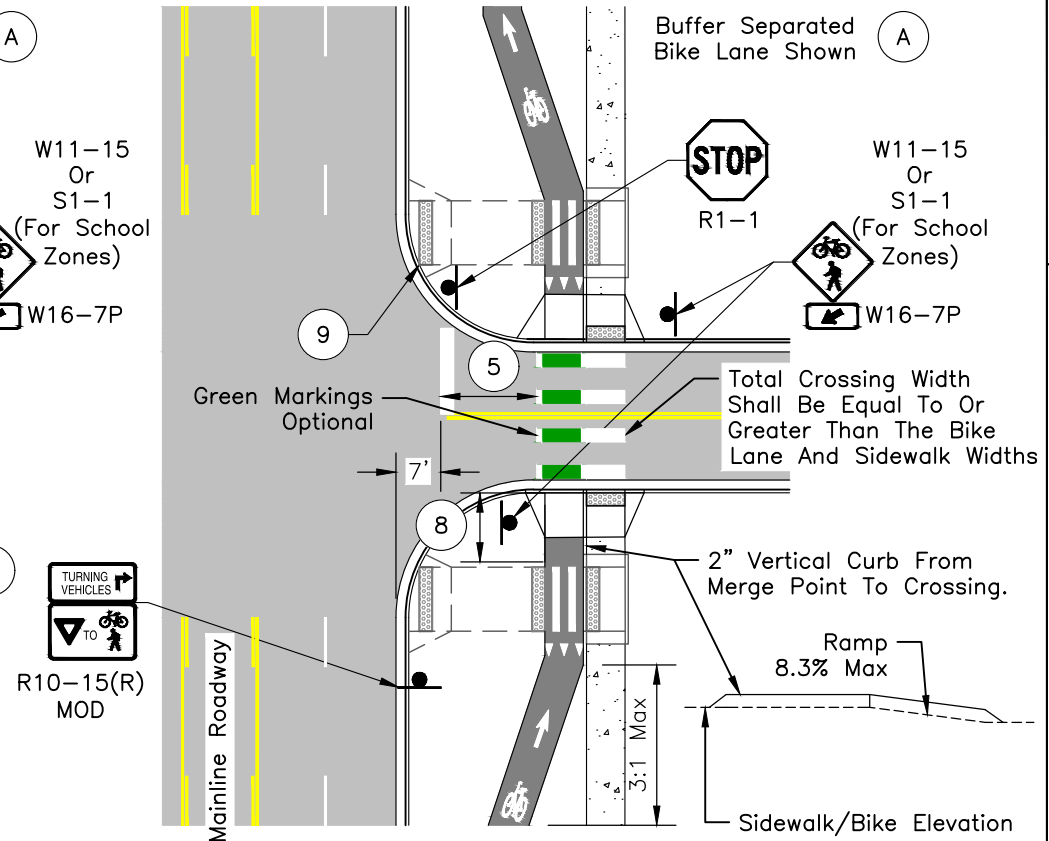


Notes

- 1 Approach Ramp And Departure Ramp Shall Not Exceed 8.3% Slope. Speed Hump Markings Shall Be Used On Transition Ramps. 3" Maximum Crossing Height.
- 2 Width of Bike Lane Crossing Shall Be Equal To Or Greater Than The Width Of The Bike Lane And Comply With All ADA Requirements.
- 3 Width Of Pedestrian Cross Walk Shall Be Equal To Or Greater Than The Width Of The Sidewalk And Comply With All ADA Requirements.
- 4 Perpendicular Curb Ramp With 2" Drop To Bike Lane & Crossing Level.

Unsignalized At-Grade Side Street Crossing

For Mainline Speeds Of 40 MPH Or Greater



- 5 16' Min Setback From Front Of Stop Bar Pavement Marking To Front Of Bike Ladder Pavement Marking For At Grade Crossings. 19' Minimum Set Back For Raised Crossings.
- 6 2" Vertical Curb. Refer To Detail A, RBL-01.
- 7 Raised Crossings Considered On A Case By Case Basis.
- 8 8' Minimum If Crossing Of Mainline Is Not Required.
- 9 Unsignalized Mainline Crossing To Be Determined On A Case By Case Basis During Project Design. Multi-Use Path Crossing Shown. See RBL-02 for Separated Crossing Curb Ramp.
- A The Same Principals Apply To Both Curb Separated And Buffer Separated Bike Lanes, If Buffers Are Traversable, The Entire Area From Back Of Curb To Back Of Sidewalk Shall Be Considered Mixed Use And Comply With All ADA Requirements.

EXHIBIT NO.

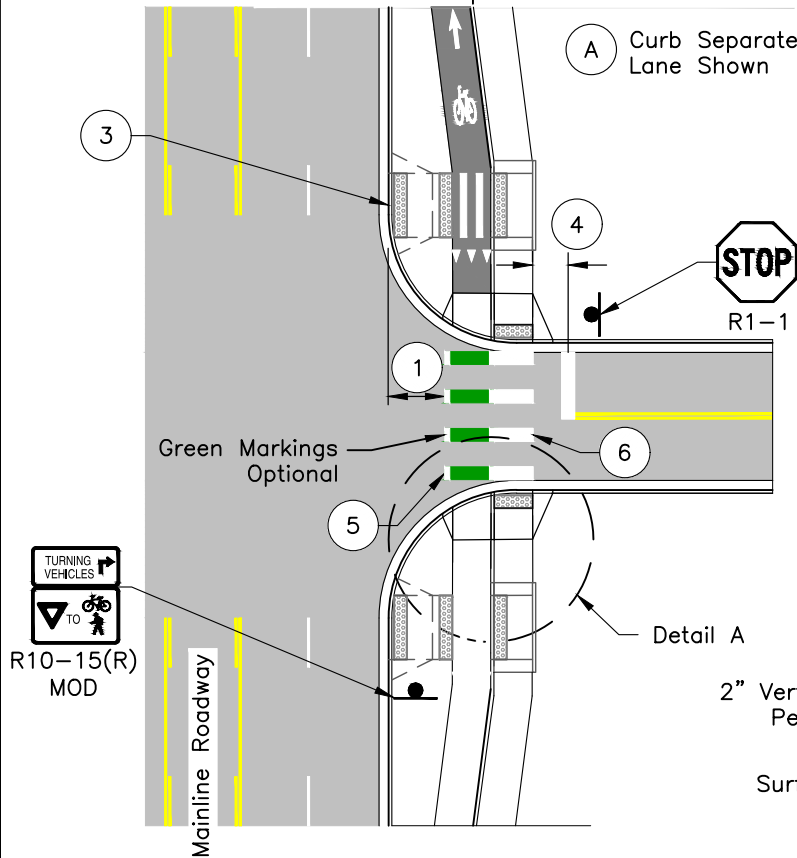
RBL-05

Raised Bike Lane Example Applications
Stop Controlled Side Streets & Approaches



Unsignalized At-Grade Side Street Crossing

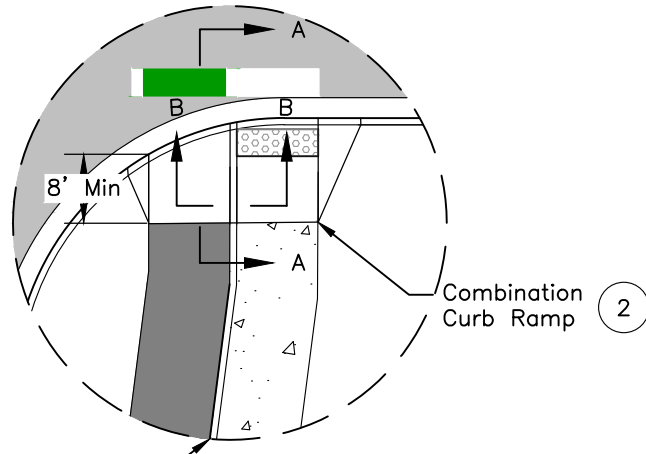
For Mainline Speeds Of 35 MPH Or Less



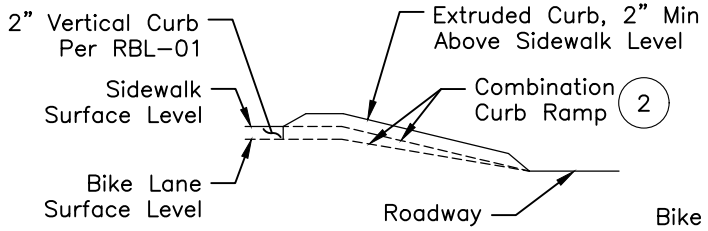
(A) Curb Separated Bike Lane Shown

DETAIL A

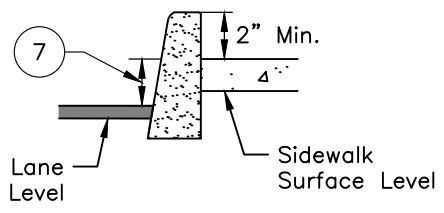
Curb Separated Bike/Pedestrian Ramp



2" Vertical Curb Per Detail A, RBL-01



Section A-A



Section B-B

Notes

- 1 6' Minimum Setback From Face Of Curb. Minimum Setback To Bike Crossing To Improve Visibility For Vehicles, Pedestrians, And Bicycles. (Reference 3, 4)
- 2 Combination Curb Ramps Shall Comply With All ADA Requirements.
- 3 Mainline Crossing(s) To Be Designed As Multi-Use Path(s) To Accommodate Bikes And Peds. See MUP-05. Crossing Locations To Be Determine During Project Design.
- 4 4' Minimum Setback From Crosswalk Per ACHD Standard Drawing TS 1112.03 (Reference 10).

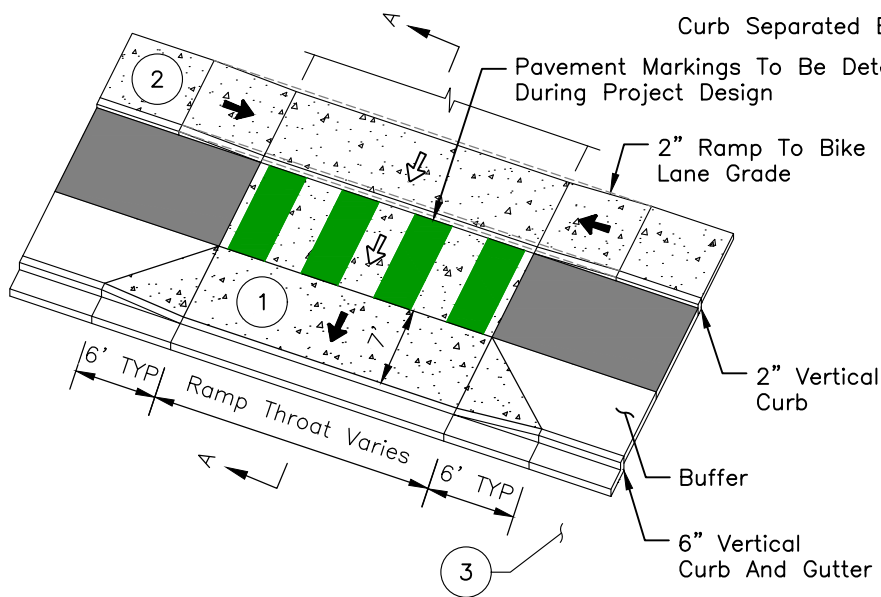
- 5 Total Crossing Width Shall Be Equal To Or Greater Than The Bike Lane And Sidewalk Widths.
- 6 At Grade Crossing Shown, Raised Crossings To Be Considered On A Case By Case Basis. Raised Crossing Shall Be Per Detail A On Sheet RBL-05.
- 7 Curb Height Varies. 2" Reveal At Top Of Ramp, 0" Reveal At Bottom.
- A The Same Principals Apply To Both Curb Separated And Buffer Separated Bike Lanes, If Buffers Are Traversable, The Entire Area From Back Of Curb To Back Of Sidewalk Shall Be Considered Mixed Use And Adhere To Current ADA Requirements.

EXHIBIT NO.
RBL-06

Raised Bike Lane Example Applications
Driveway Approaches



Setback Concrete Driveway Approach Raised Bike Lane And Sidewalk

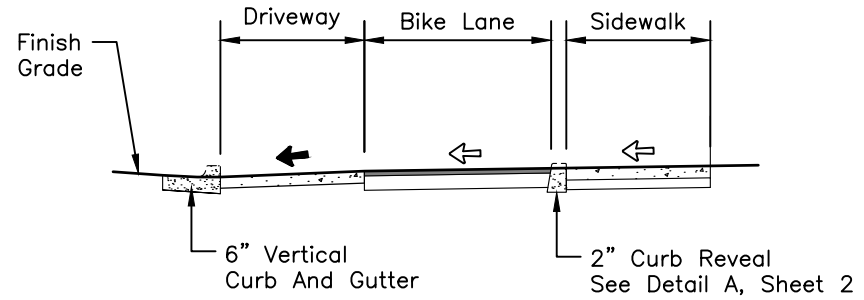


Legend

- ↔ 1.5% ± 0.5% (2.0% Max) Slope
- ← 7.3% ± 1.0% (8.3% Max) Slope

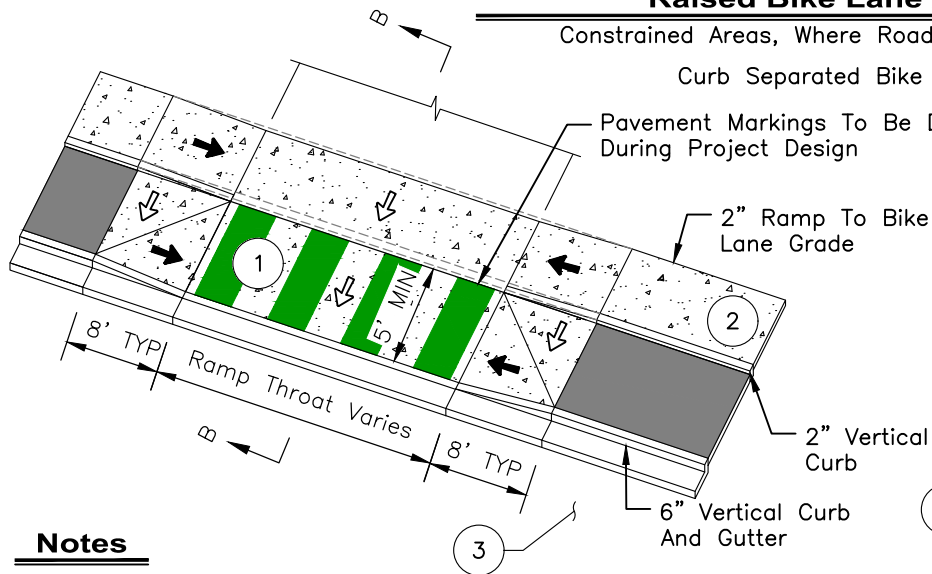
Detail A

Not To Scale



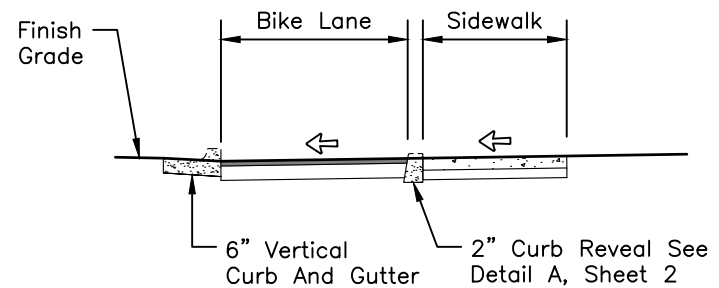
Zero Setback Concrete Driveway Approach Raised Bike Lane And Sidewalk

Constrained Areas, Where Roadside Buffer Is Impractical



Detail B

Not To Scale



Notes

- 1 Driveway Approach Dimensions Are Based On 6" Vertical Curb And Gutter. For Additional Information Not Shown On This Sheet, Refer To ACHD Standard Drawing SD-710.
- 2 Sidewalk Minimum Width Is 5' At The Driveway Approach.

- 3 When On-Street Parking Is Present: Buffer Separated Bike Lanes Per RBL-01 Are Required. Roadside Buffer, Bike Lane, And Sidewalk Buffer Shall Be Traversable And Adhere To ADA Requirements. No Parking Within 30' Of Downstream Crossing (Motorcycle Parking May Be Used To Within 10' Of Crossing)
- A The Same Principals Apply To Both Curb Separated And Buffer Separated Bike Lanes, Intent Is To Bring Sidewalk And Bike Lane To Same Elevation For The Crossing

References For Raised Bike Lanes

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EXHIBIT NO.
RBL-08

Raised Bike Lane Example Applications
References

